

PIFSC Report on the American Samoa Limited-access Longline Fishery from 1 January to 31 December 2015¹

Fisheries Research and Monitoring Division
Pacific Islands Fisheries Science Center

The following tables represent effort, retained catch (kept) and discards as reported on longline logsheets for the American Samoa limited-access longline fishery. The following figures represent quarterly data for effort, catch (kept) and catch-per-unit-effort (CPUE) from 1997 to 2015. Effort and catch effort statistics are based on date of longline haul. Effort and catch statistics are based on logbook data submitted to the PIFSC, FRMD and represent an Oracle table LLDS_REPORT_STATS_AS database extraction done on February 29, 2016.

¹PIFSC Data Report DR-16-005
Issued _ March 03, 2016

Table 1. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in American Samoa as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch and effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2015
 Set Types All Sets
 Fishing Area All Areas

Number of vessels active	20
Number of trips (partial or completed)	197
Number of sets	2,611
Number of hooks set	7,344,448

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	761	409	352	0.10
Striped marlin	169	108	61	0.02
Shortbill spearfish	404	58	346	0.06
Swordfish	179	134	45	0.02
Other billfishes	175	70	105	0.02
Total	1,688	779	909	0.23
Shark PMUS				
Blue shark	3,549	16	3,533	0.48
Mako sharks	418	6	412	0.06
Thresher sharks	291	1	290	0.04
Oceanic whitetip shark	652	5	647	0.09
Silky shark	861	0	861	0.12
Other Sharks	0	0	0	0.00
Total	5,771	28	5,743	0.79
Tuna PMUS				
Albacore	94,461	94,005	456	12.86
Bigeye tuna	4,272	4,106	166	0.58
Yellowfin tuna	19,560	18,835	725	2.66
Bluefin tuna	53	53	0	0.01
Skipjack tuna	13,892	13,617	275	1.89
Other tunas	0	0	0	0.00
Total	132,238	130,616	1,622	18.01
Other PMUS				
Mahimahi	541	506	35	0.07
Moonfish	214	76	138	0.03
Wahoo	4,919	4,775	144	0.67
Oilfish	6,014	31	5,983	0.82
Pomfret	0	0	0	0.00
Total	11,688	5,388	6,300	1.59
Total PMUS	151,385	136,811	14,574	20.61
Total Non-PMUS	1,294	104	1,190	0.18
Total All Species	152,679	136,915	15,764	20.79

Table 2. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in American Samoa as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch and effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2015
 Set Types All Sets
 Fishing Area American Samoa EEZ

Number of vessels active	20
Number of trips (partial or completed)	196
Number of sets	2,565
Number of hooks set	7,196,142

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	752	409	343	0.10
Striped marlin	166	108	58	0.02
Shortbill spearfish	395	57	338	0.05
Swordfish	174	133	41	0.02
Other billfishes	175	70	105	0.02
Total	1,662	777	885	0.23
Shark PMUS				
Blue shark	3,384	11	3,373	0.47
Mako sharks	410	5	405	0.06
Thresher sharks	281	0	281	0.04
Oceanic whitetip shark	639	5	634	0.09
Silky shark	854	0	854	0.12
Other Sharks	0	0	0	0.00
Total	5,568	21	5,547	0.77
Tuna PMUS				
Albacore	93,389	92,939	450	12.98
Bigeye tuna	4,206	4,044	162	0.58
Yellowfin tuna	19,456	18,731	725	2.70
Bluefin tuna	47	47	0	0.01
Skipjack tuna	13,689	13,414	275	1.90
Other tunas	0	0	0	0.00
Total	130,787	129,175	1,612	18.17
Other PMUS				
Mahimahi	515	492	23	0.07
Moonfish	204	76	128	0.03
Wahoo	4,823	4,680	143	0.67
Oilfish	5,797	31	5,766	0.81
Pomfret	0	0	0	0.00
Total	11,339	5,279	6,060	1.58
Total PMUS	149,356	135,252	14,104	20.76
Total Non-PMUS	1,289	104	1,185	0.18
Total All Species	150,645	135,356	15,289	20.93

Table 3. Annual summary report of fishing effort and catch statistics for U.S. longline vessels based in American Samoa as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch and effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage		Number of vessels active		5
Time Period	1 January - 31 December, 2015	Number of trips (partial or completed)		7
Set Types	All Sets	Number of sets		46
Fishing Area	Outside American Samoa EEZ	Number of hooks set		148,306

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 hooks
PMUS				
Billfish PMUS				
Blue marlin	9	0	9	0.06
Striped marlin	3	0	3	0.02
Shortbill spearfish	9	1	8	0.06
Swordfish	5	1	4	0.03
Other billfishes	0	0	0	0.00
Total	26	2	24	0.18
Shark PMUS				
Blue shark	165	5	160	1.11
Mako sharks	8	1	7	0.05
Thresher sharks	10	1	9	0.07
Oceanic whitetip shark	13	0	13	0.09
Silky shark	7	0	7	0.05
Other Sharks	0	0	0	0.00
Total	203	7	196	1.37
Tuna PMUS				
Albacore	1,072	1,066	6	7.23
Bigeye tuna	66	62	4	0.45
Yellowfin tuna	104	104	0	0.70
Bluefin tuna	6	6	0	0.04
Skipjack tuna	203	203	0	1.37
Other tunas	0	0	0	0.00
Total	1,451	1,441	10	9.78
Other PMUS				
Mahimahi	26	14	12	0.18
Moonfish	10	0	10	0.07
Wahoo	96	95	1	0.65
Oilfish	217	0	217	1.46
Pomfret	0	0	0	0.00
Total	349	109	240	2.35
Total PMUS	2,029	1,559	470	13.68
Total Non-PMUS	5	0	5	0.03
Total All Species	2,034	1,559	475	13.71

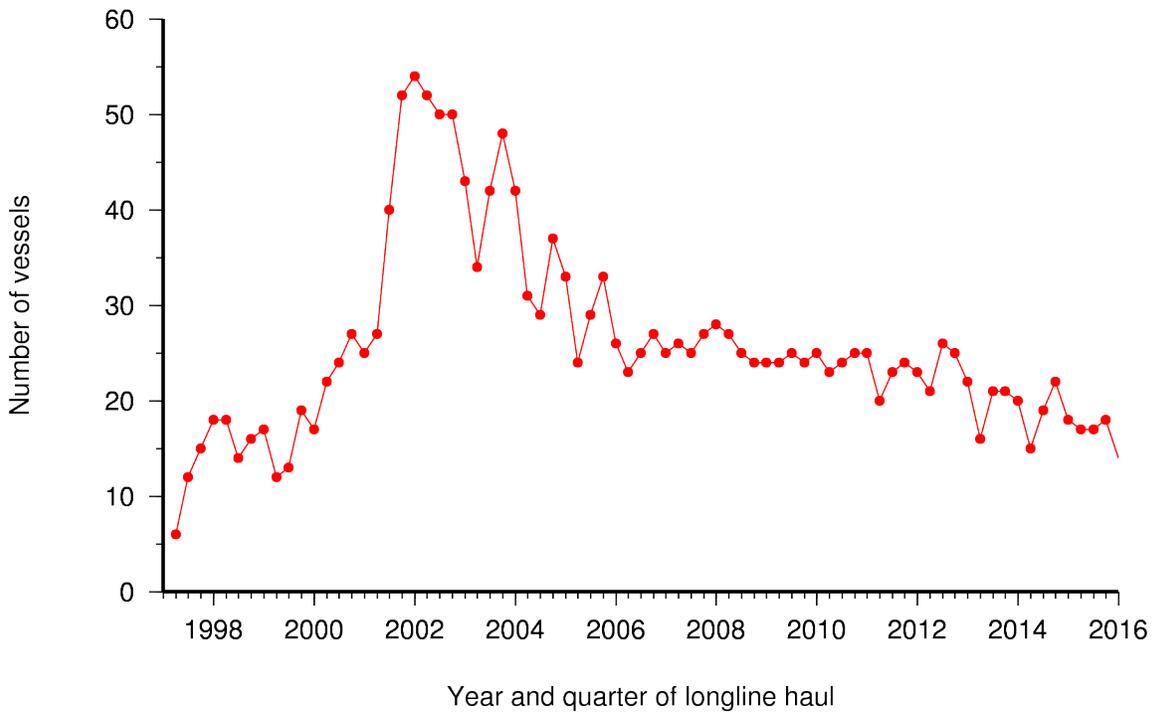


Figure 1. Number of active longline vessels based and landing in American Samoa, by quarter, 1997-2015 [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:49]

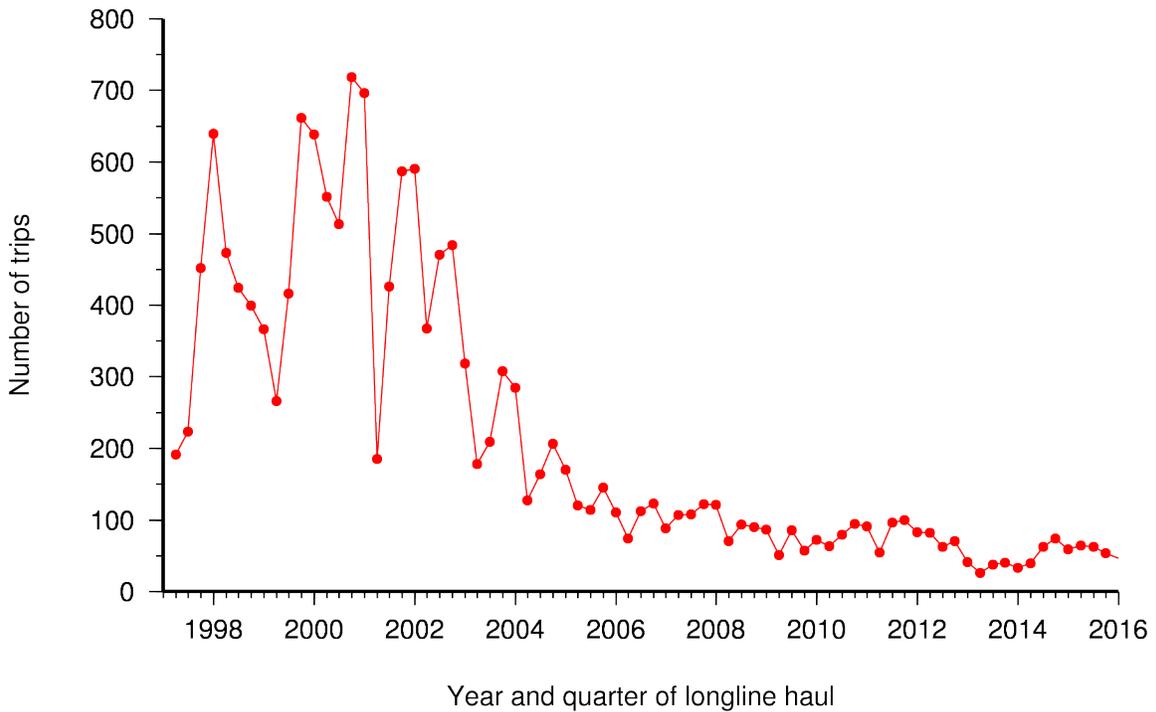


Figure 2. Number of fishing trips by longline vessels based in American Samoa, by quarter, 1997-2015 [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:49]

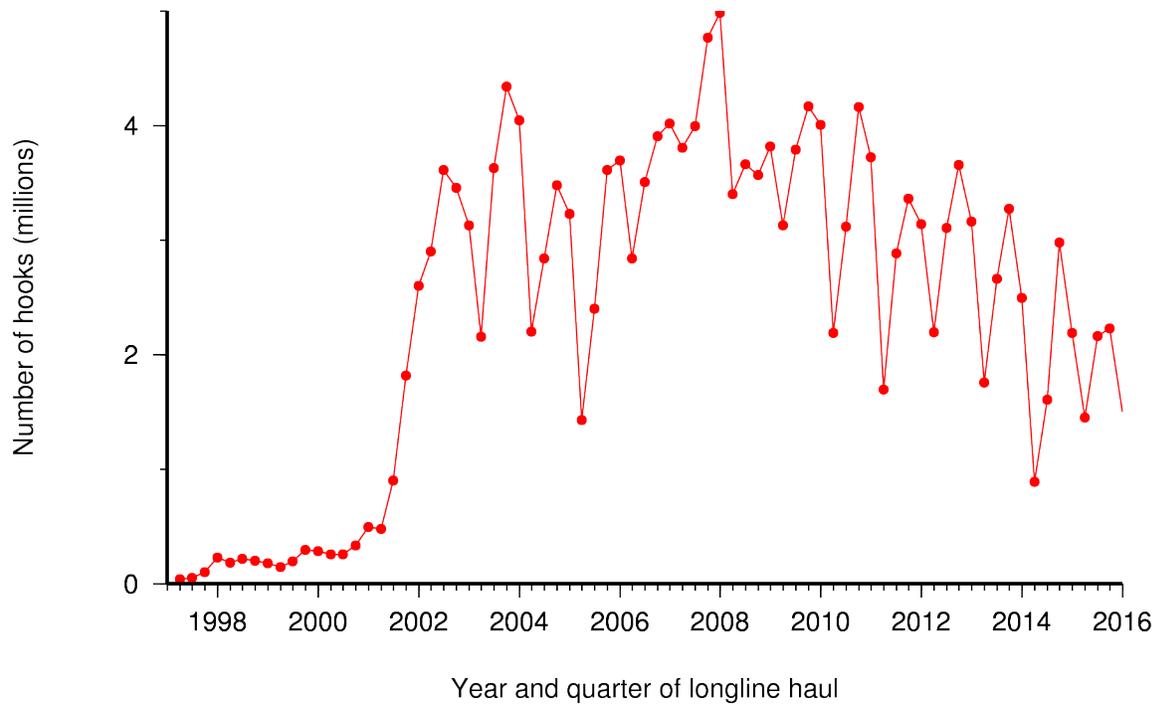


Figure 3. Number of hooks set by longline vessels based and landing in American Samoa by quarter, 1997-2015 [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:53]

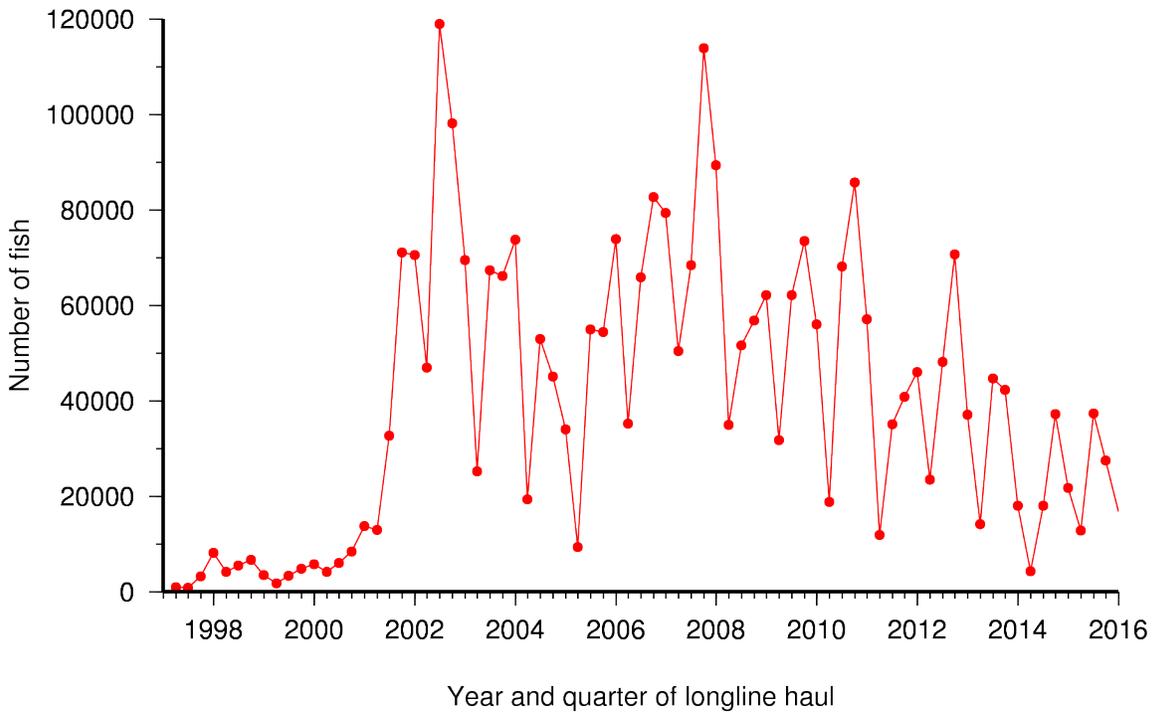


Figure 4. Quarterly catch of albacore by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:48]

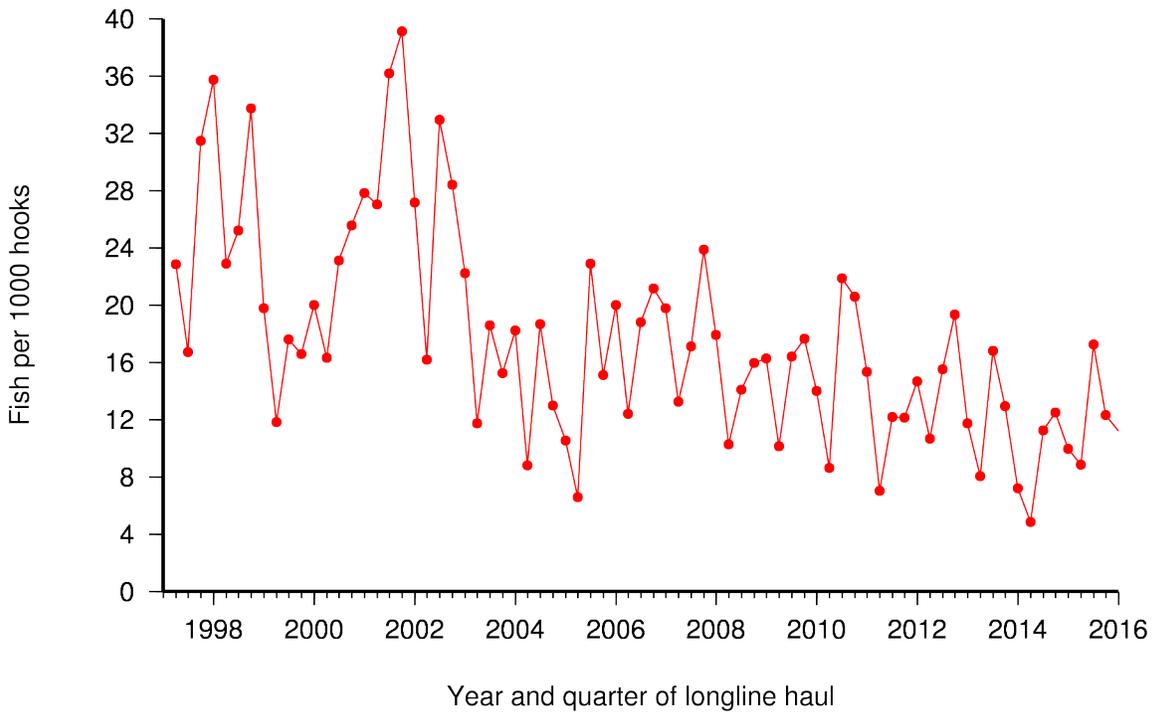


Figure 5. Quarterly CPUE of albacore (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 14:48]

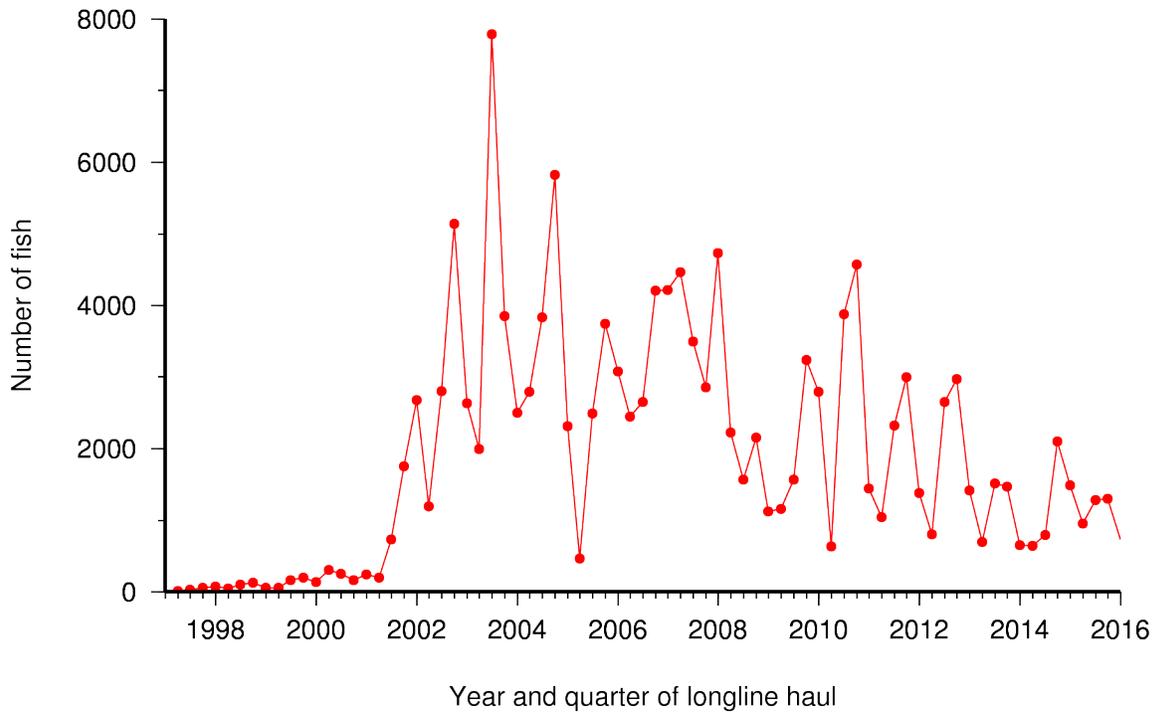


Figure 6. Quarterly catch of bigeye tuna by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:54]

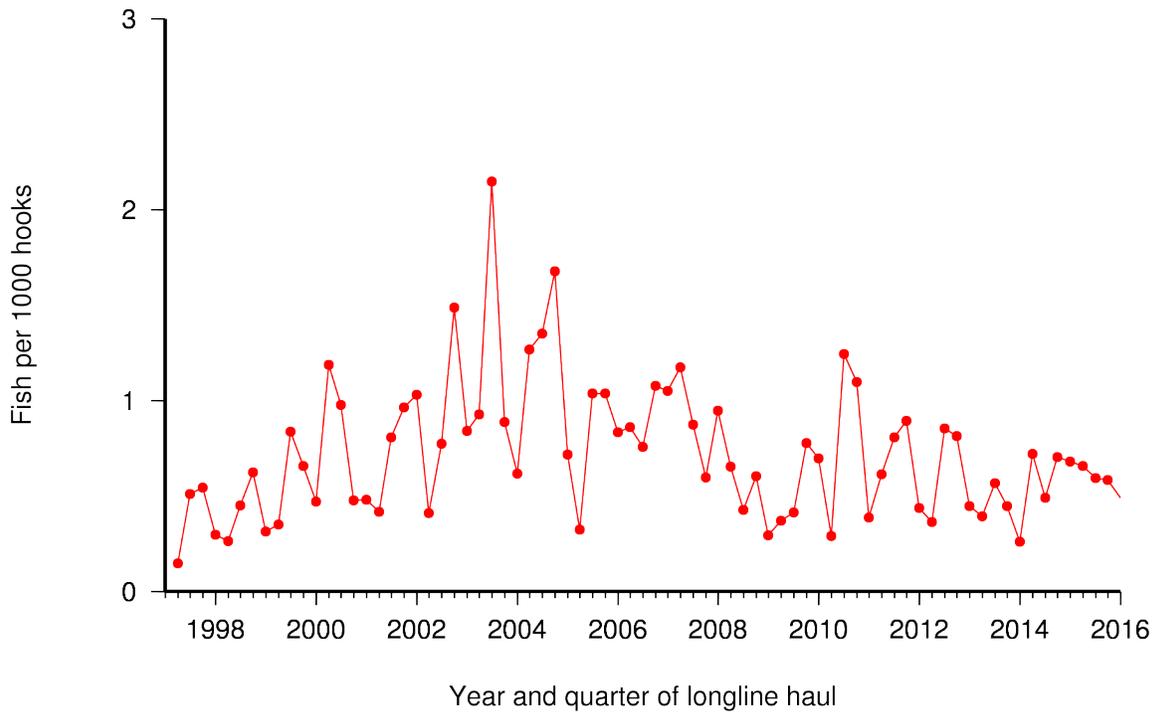


Figure 7. Quarterly CPUE of bigeye tuna (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 14:54]

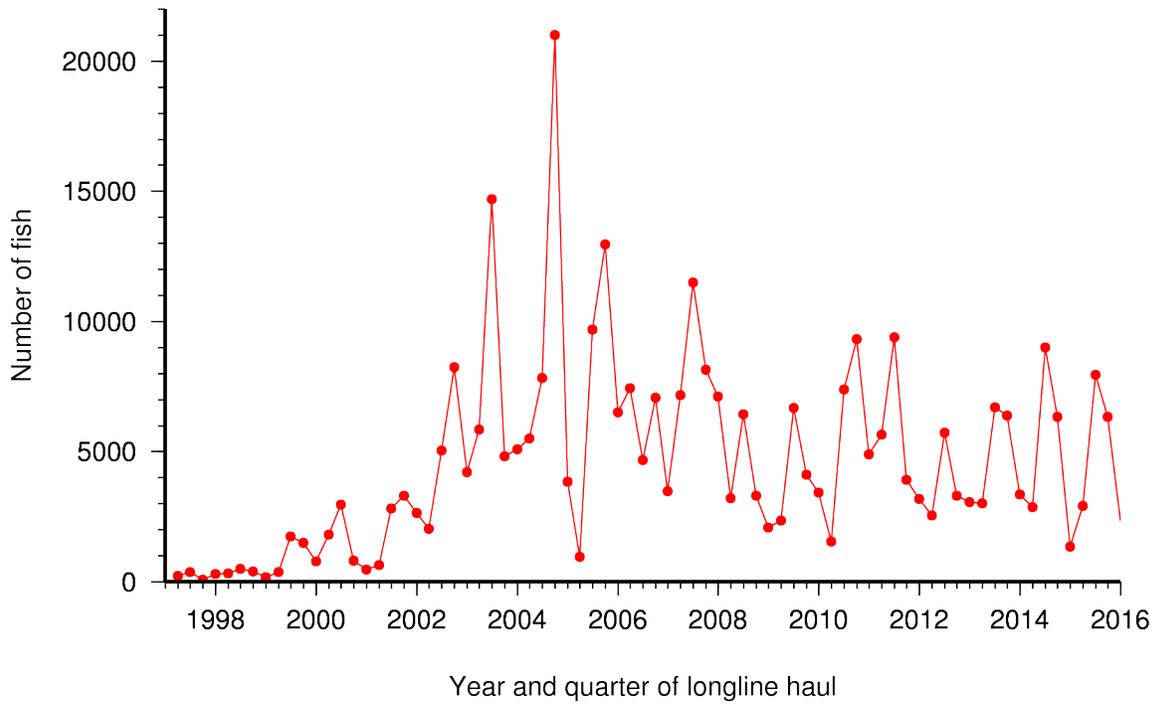


Figure 8. Quarterly catch of yellowfin tuna by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:57]

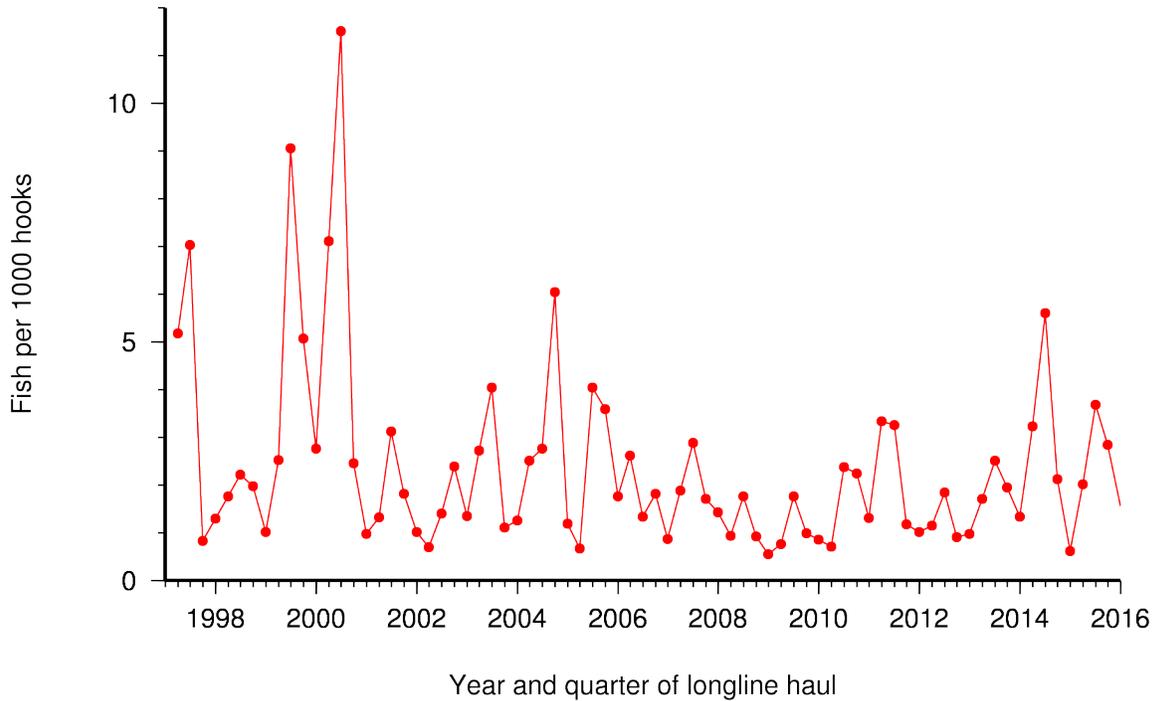


Figure 9. Quarterly CPUE of yellowfin tuna (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 14:57]

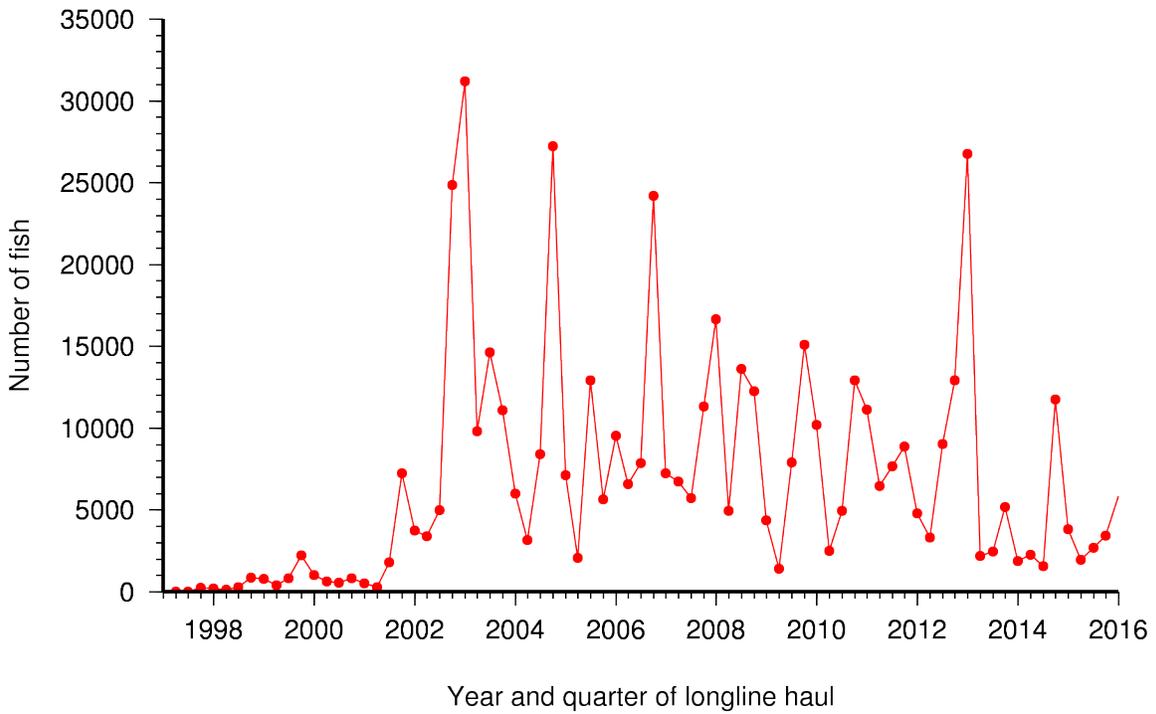


Figure 10. Quarterly catch of skipjack tuna by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 14:59]

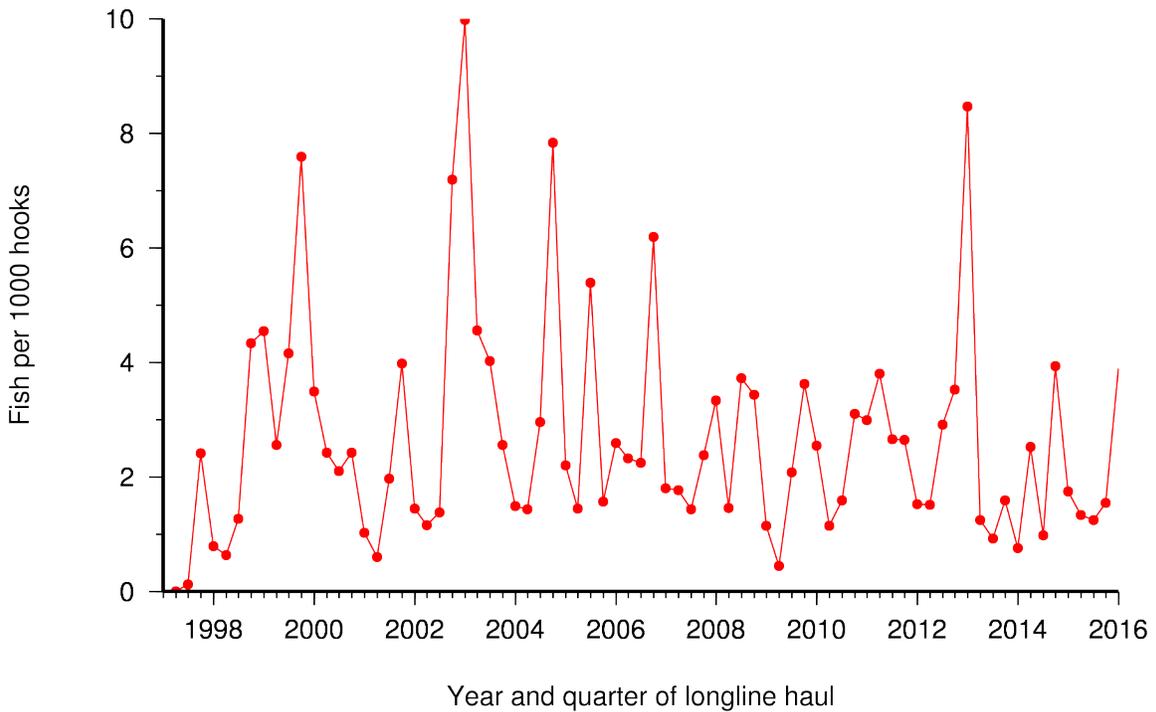


Figure 11. Quarterly CPUE of skipjack tuna (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 14:59]

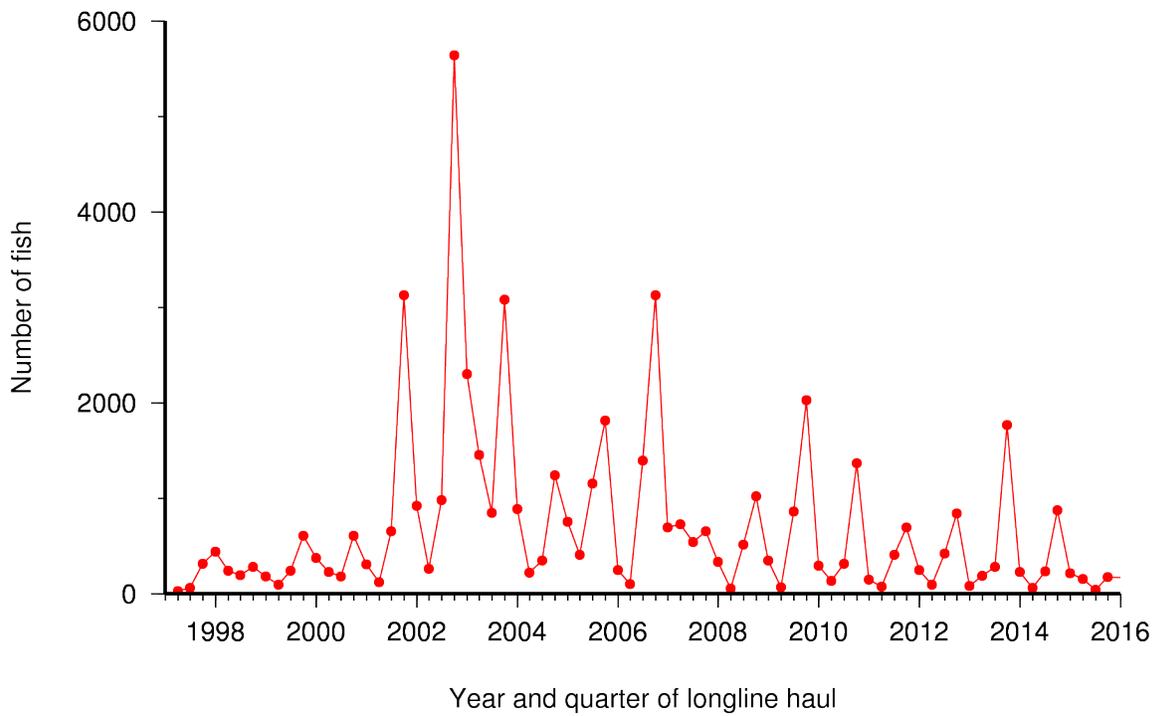


Figure 12. Quarterly catch of mahimahi by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 15:01]

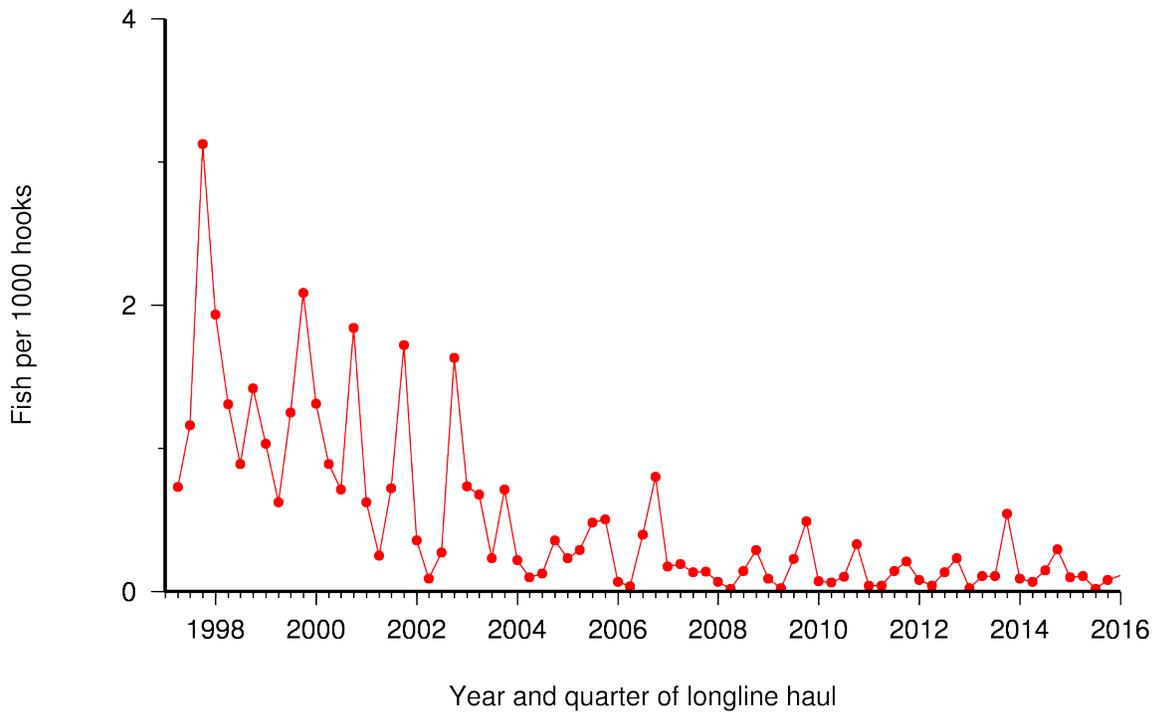


Figure 13. Quarterly CPUE of mahimahi (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 15:01]

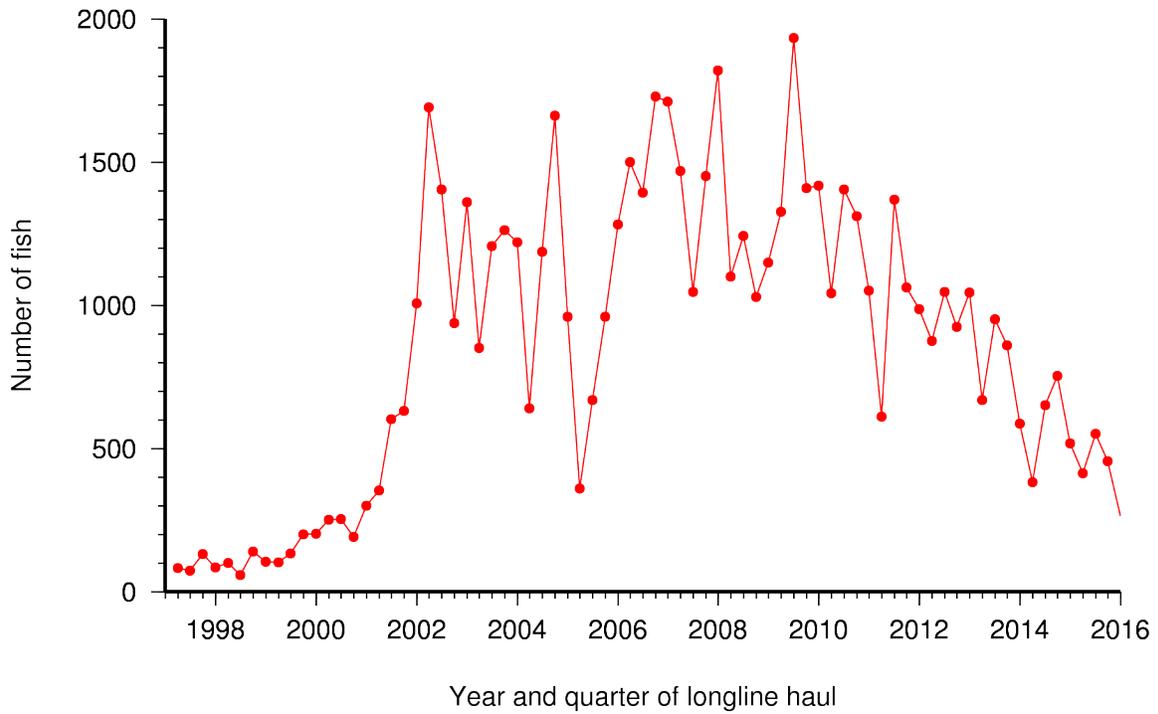


Figure 14. Quarterly catch of billfish by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 15:03]

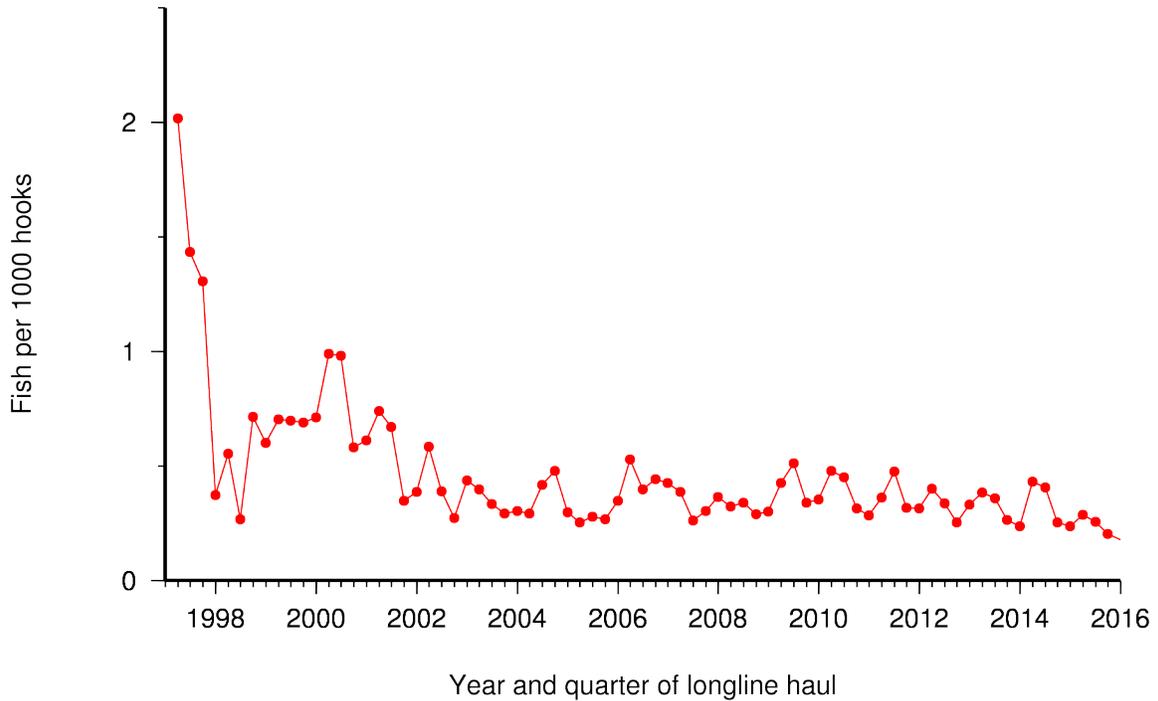


Figure 15. Quarterly CPUE of billfish (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 15:03]

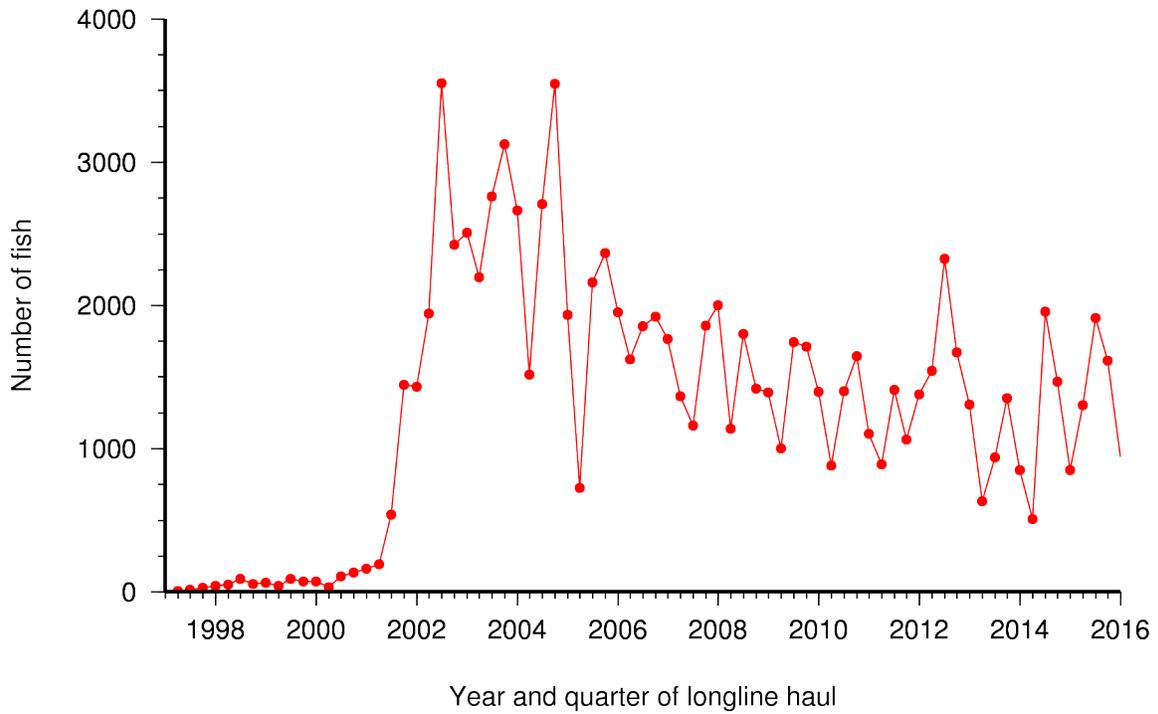


Figure 16. Quarterly catch of sharks by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 15:05]

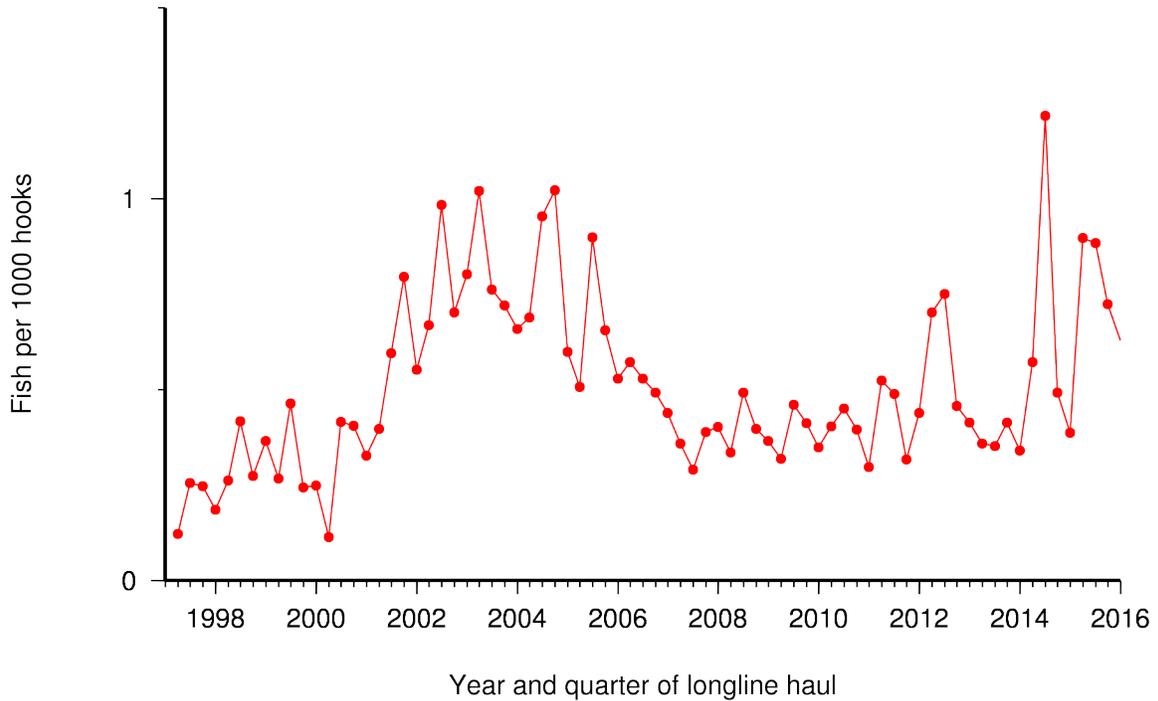


Figure 17. Quarterly CPUE of sharks (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 15:05]

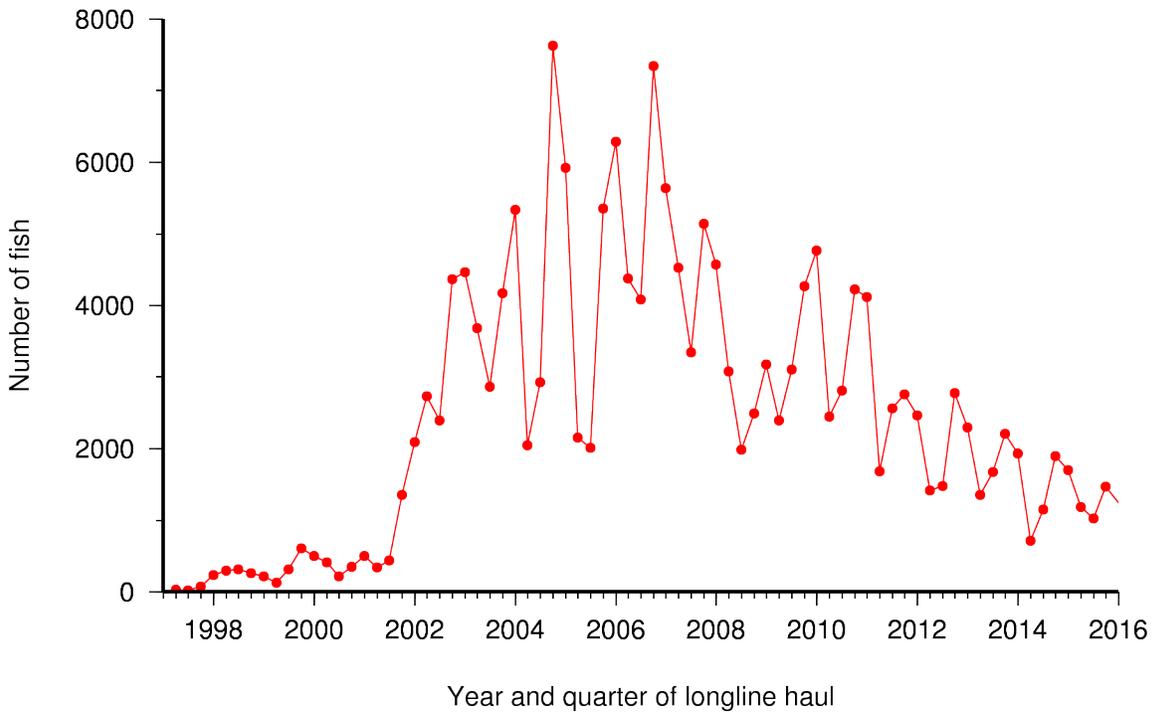


Figure 18. Quarterly catch of wahoo by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, Longline Logbook Data, 29 FEB 2016 15:07]

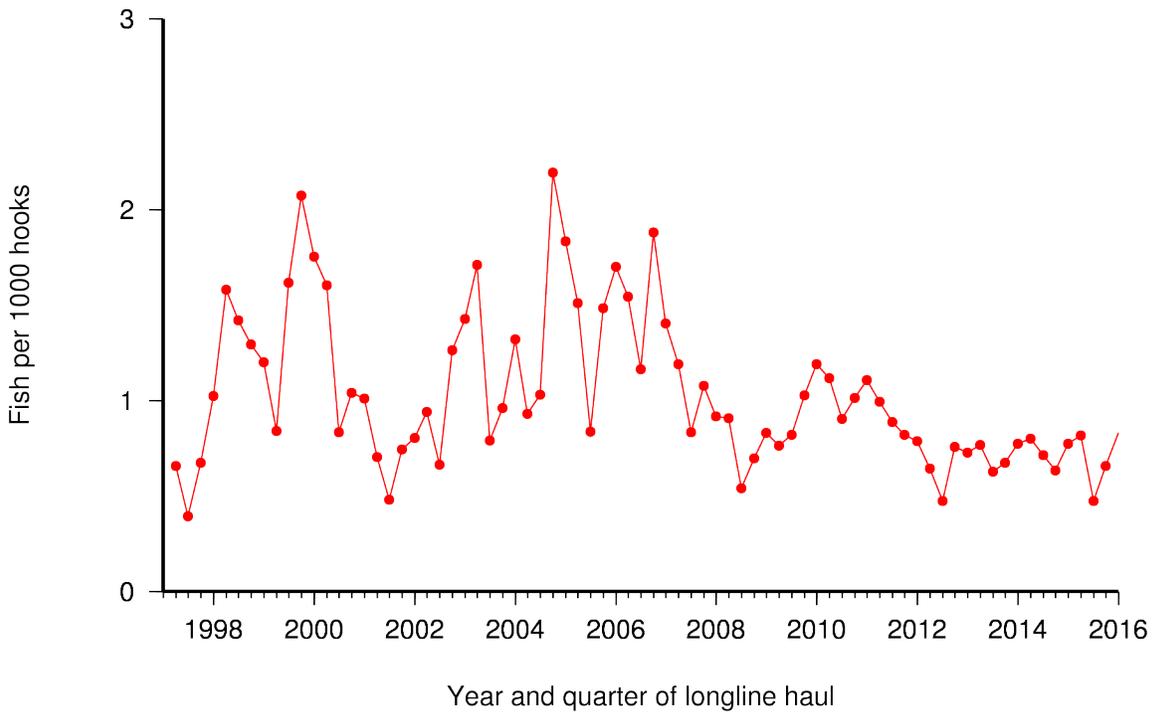


Figure 19. Quarterly CPUE of wahoo (fish per 1000 hooks) by longline vessels based and landing in American Samoa, 1997-2015. [PIFSC IMS, 29 FEB 2016 15:07]